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1	1.	A method for communicating messages between a first party and a second
2	party, said me	ethod comprising the steps of:

- storing prior state information at said second party;
- constructing at least one message, at said first party, to convey information to said second party, said information comprising at least a portion of said prior state information;
- encoding said message to generate a difference message comprising difference information, said difference information comprising the difference between said information in said message and said prior state information;
- transmitting said difference message from said first party to said second party; and
- reconstructing, at said second party, said message from said difference message by combining said difference information with said information from said prior state information.

1	2.	The method as set forth in claim 1, wherein said prior state information
2	comprises at	least one prior message.
1	3.	The method as set forth in claim 1, wherein:
2		said message comprises a plurality of arguments; and
3		said prior state information comprises one of said arguments.
Man.		
4) 11	4.	The method as set forth in claim 1, wherein said difference message
High rate man many thank than the train that the rate when the rate with	further comp	rises an identifier to said prior state information.
1111	5.	The method as set forth in claim 1, wherein said difference message
There is a part of the start of	further compr	rises a time identifier to said prior state information.
T	6.	The method as set forth in claim 1, further comprising the steps of:
2		storing said prior state information at said first party;
3		constructing, at said second party, a second message to convey second
4		information and at least a portion of said prior state information;
5		encoding said second message to generate a second difference message
6		comprising second difference information, said second difference

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information comprising the difference between said information in said second message and said prior state information;

transmitting said second difference message from said second party to said first party; and

reconstructing, at said first party, said second current message by combining said second difference information with said information from said prior state information.

- The method as set forth in claim 1, further comprising the steps of: determining whether said at least a portion of said prior state information is retrievable at said second party; and
 - if said at least a portion of said prior state information is not retrievable, sending, from said second party to said first party, a negative acknowledgement message to said first party.
- 8. The method as set forth in claim 7, further comprising the step of sending,
- in said negative acknowledgement message, from said second party to said first party, an
- indication of information stored at said second party so as to assist said first party in
- constructing said first message using said prior state information. 4

1	9. 11	ne method as set forth in claim /, further comprising the step of sending,
2	from said first pa	rty to said second party, said first message if said prior state information
3	is not retrievable	
1	10. T	ne method as set forth in claim 1, further comprising the step of:
2	executing at least	t one application program at said first party independent of
3	communicating r	nessages between a first party and a second party.
1.	11. TI	ne method as set forth in claim 1, wherein, prior to encoding said first
2]	message, the met	hod further comprises the steps of:
31	de	etermining whether said first message is similar to said prior state
4		information; and
1	if	said first message is similar to said prior state information, executing the
6 .		step encoding said message to generate a difference message.
1	12. A	computer readable medium comprising a plurality of instructions, which
2	when executed by	y a computer system, cause the computer to perform the steps of:
3	sto	oring prior state information at said second party;
4	co	nstructing at least one message, at said first party, to convey information
5		to said second party, said information comprising at least a portion of
6		said prior state information;

7	encoding said message to generate a difference message comprising
8	difference information, said difference information comprising the
9	difference between said information in said message and said prior
10	state information;
11	transmitting said difference message from said first party to said second
12	party; and
13	reconstructing, at said second party, said message from said difference
14	message by combining said difference information with said
13	information from said prior state information.
	13. The computer readable medium as set forth in claim 12, wherein said prior
19 The man to proper many to the proper many that the many that the many that the many than the many the many than	state information comprises at least one prior message.
on to a soon on	14. The computer readable medium as set forth in claim 12, wherein:
2	said message comprises a plurality of arguments; and
3	said prior state information comprises one of said arguments.
1	15. The computer readable medium as set forth in claim 12, wherein said
2	difference message further comprises an identifier to said prior state information.
1	16. The computer readable medium as set forth in claim 12, wherein said
2	difference message further comprises a time identifier to said prior state information.

	17.	The computer readable medium as set form in claim 12, further
2	comprising th	ne steps of:
3		storing said prior state information at said first party;
4		constructing, at said second party, a second message to convey second
5		information and at least a portion of said prior state information;
6		encoding said second message to generate a second difference message
1		comprising second difference information, said second difference
min that the real time the case that the time time time.		information comprising the difference between said information in said
		second message and said prior state information;
1 0		transmitting said second difference message from said second party to said
10 mg ng ng mg 14 mg mg		first party; and
12		reconstructing, at said first party, said second current message by
13		combining said second difference information with said information
14		from said prior state information.
1	18.	The computer readable medium as set forth in claim 12, further
2	comprising the	e steps of:

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3	determining whether said at least a portion of said prior state information
4	is retrievable at said second party; and
5	if said at least a portion of said prior state information is not retrievable,
6	sending, from said second party to said first party, a negative
7	acknowledgement message to said first party.

- 19. The computer readable medium as set forth in claim 18, further comprising the step of sending, in said negative acknowledgement message, from said second party to said first party, an indication of information stored at said second party so as to assist said first party in constructing said first message using said prior state information.
- 20. The computer readable medium as set forth in claim 18, further comprising the step of sending, from said first party to said second party, said first message if said at least a portion of said prior state information is not retrievable.
- 21. The computer readable medium as set forth in claim 12, further comprising the step of executing at least one application program at said first party independent of communicating messages between a first party and a second party.

22. The computer readable medium as set forth in claim 12, wherein, prior to encoding said first message, the method further comprises the steps of:

determining whether said first message is similar to said prior state information; and

if said first message is similar to said prior state information, executing instructions for encoding said message to generate a difference message.